

Content		
Description	Quantity	Part no
Bracket	2	G91964-02
Adapter plate	4	G91964-05
Bracket	2	G91964-26
Bracket line left	1	G91964-27L
Bracket line right	1	G91964-27R
Bracket	2	G91964-28
Bracket	2	G91964-29
Camber washer kit	1	G91964-88
Shock absorber	2	UNS MP36T
Counter nut	2	00533-01
Spring 50 N/mm	2	48010-11
Sleeve (only Turbo 3,6)	2	G99364-05
Top mount plate	2	G91964-03
Bearing support	2	G94058-01
Support ring	2	G91058-35
Upper sleeve	2	G91058-24
Cylinder sleeve	2	G91058-13S
Öhlins sticker	1	
Owner's manual	1	
C-spanner	2	

👁 Note

Please not there can be small differences between your product and the images in these instructions.

👁 Note

Please not that during storage and transport, especially at high ambient temperature, some of the oil and grease used for assembly may leak and stain the packaging. This will not cause damage to the product, wipe off the excessive oil or grease with a cloth.

👁 Note!

Before you install the product, check the kit content. If anything is missing please contact an Öhlins dealer.

⚠ Warning!

Before you intall this product, read the Öhlins Owner's manual. This product is an important part of the vehicle and the vehicle stability.

Shock absorber kit for Porsche 911 (type 964) POR GN01

POR GN101, POR GN201

Front

Mounting instruction



MOUNTING INSTRUCTION

⚠ Warning!

We strongly recommend to let an Öhlins dealer install this product.

⚠ Warning!

If you work with a lifted vehicle, make sure that it is safely supported to prevent it from tipping over

👁 Note!

When you work this product, see the vehicle service manual for vehicle specific procedures and important data.

👁 Note!

Before you install this product clean the vehicle

1

Raise the vehicle and put it on jack stands

2

Remove the front wheels.

3

Remove the drop link from original strut.

Even if the stabilizer drop link is not coupled to the damper.

4

Loosen the bolts for the lower strut attachments.

👁 Note!

Support the wheel hub in an appropriate way on each side of the vehicle so that the brake hoses can not be damaged.

5

Loosen the upper attachments and remove the original struts from the car. Pay attention to all cables and brake lines including holders. The brake line must be disconnected properly.

MOUNTING INSTRUCTION

6

If the strut is not premounted:

Install the top mount, both lock nuts and the lower spring seat. Counter the lower spring plate against the two lock nuts. Tighten the lock nut to 50-60Nm. Install the dust boot, the spring and the original spring seat over the seat see fig.1.

Install the original top mount and head lock nut. Tighten the head lock nut with a torque of 35-40Nm. (Only applies if the original top mounts are used)

7

If the strut is premounted:

Install the Öhlins McPherson strut to the vehicle. Brake line hoses must be screwed together again and professional brake bleeding must be carried out see fig.1

8

Install again the drop link of the stabilizer.

👁 **Note!**

When tightening the top mount nut, the shock absorber shaft must be held in position with 5mm allen key. (if strut is not premounted). Don't use cordless screwdriver.

9

Tighten the top mount nut (torque see table).

10

Raise the wheel hub with a jack to remove the freeplay of the lower strut attachment bolts before tightening them (torque see table).

👁 **Note!**

Make sure that all bolts are tightened to the correct torque and nothing fouls or restricts movement of the strut when it is being fully compressed or extended. Test this over the whole steering range from lock to lock.

11

Make sure that all removed parts are reinstalled in the same way as they were before the installation of the Öhlins shock absorber.



Fig.1 Brake line and cable are mounted on the new attachments on the Öhlins strut.



Fig.2 Damper mounted to wheels mounts

ADJUSTMENTS

3

⚠ Warning!

Before you ride/drive, always make sure that the setup is according to the recommended setup data. Read about the adjustments and setting up in the Öhlins Owner's Manual before you make any adjustments. Contact an Öhlins dealer if you have any questions about setting up.

The standard preload is 5mm from a free length of 200mm giving 195mm installed length (see fig.5).

SETUP DATA

Spring 47010-11/48010-11		
Rebound Comfort	12	Clicks
Rebound Sport	9-7	Clicks
Rebound Trackdays	6-1	Clicks
Spring preload	5	mm
Shock absorber length	s. fig.	
Spezifikation: H200, ID65, 50N/mm		

Vehicle height adjustment range

With the preload set to the recommended position, the vehicle is lowered approximately 20mm when compared to the original suspension. Depending on car model and equipment, the spring preload may vary because of existing original suspension.

Dimension in basic position

Dimension A = 498mm

Dimension B = 195mm

Dimension C = approx. 65mm

Dimension D = 10mm

If the lower bracket should be adjusted please re-tighten the two M6 screws with 12Nm. Tighten the lock nut accordingly. As the height adjuster is turned one rotation, the position moves 1.5mm. Please then check the ride height again according to the scheme.

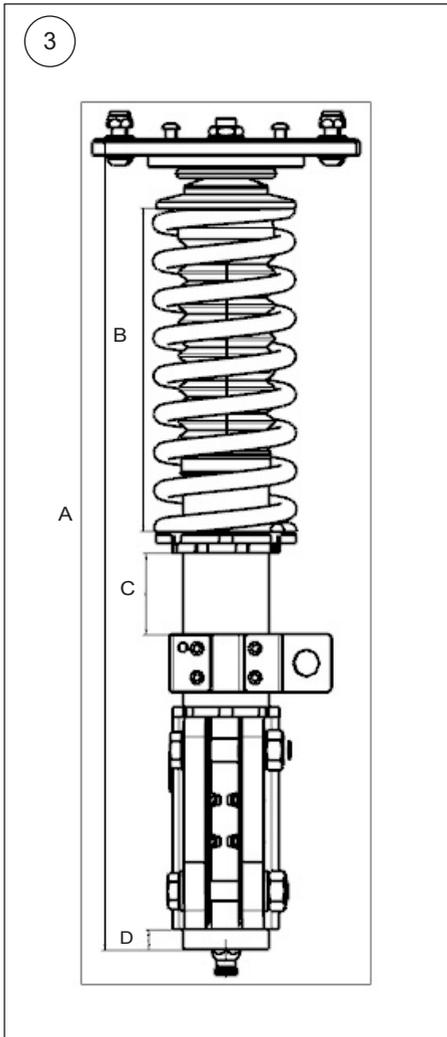
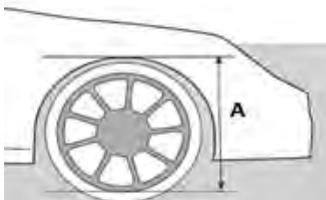


Fig.3 Basic setting of shock absorber complete FA

SETUP



FA, Dimension A= 585mm



Fig.4 Camber adjustment top mount

⚠ Warning!

Starting from the standard position (delivery condition) of the Öhlins suspension, the adjustment range of height adjuster is -5mm/+10mm.

After installing the struts, a wheel load measurement and an axle measurement must be carried out. Please note that the headlight setting should be checked and adjusted if necessary (see also general information). If brake lines are loosened, the brake must be vented by a specialist workshop.

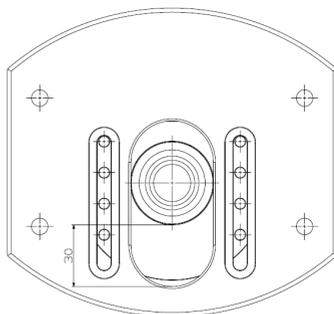


Fig. 4.1 Fender outside

For road use, the camber must correspond to the standard value specified by the car's manufacturer. For this, the distance shown in Fig. 4.1 needs to be 30mm.

Öhlins products are subject to continuous improvement and development, therefore, although these instructions include the most up-to-date information available at the time of printing, minor updates may occur.

© Öhlins Racing AB. All rights reserved. Any reprinting or unauthorized use without the written permission of Öhlins Racing AB is prohibited.

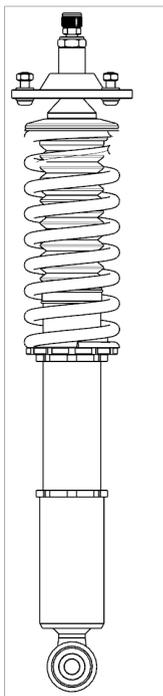
To find the latest information contact an Öhlins distributor. Please contact Öhlins if you have any questions regarding the contents in this document.

Part No: MI_POR GN01
Issued:18.02.2022

Öhlins Racing AB
Box 722
S-194 27 Upplands Väsby, Sweden
Phone +46 8 590 025 00
fax +46 8 590 025 80



www.ohlins.com



Content		
Description	Quantity	Part no
Sleeve	4	G91964-10
Plastic distance washer	2	G91964-34
Shock absorber	2	UNZ SA46L
Bushing	2	25608-01
End-eye	2	25607-01
Spring 90N/mm	2	48010-24
Ball joint	2	G00016.32
Top mount	2	G91964-01
Lower top mount sleeve	2	G91964-30
Upper top mount sleeve	2	G91964-33
Öhlins sticker	1	
Owner's manual	1	
C-spanner	2	

👁 **Note!**

Please note that there can be small differences between your product and the images in these instructions.

👁 **Note!**

Please note that during storage and transport, especially at high ambient temperature, some of the oil and grease used for assembly may leak and stain the packaging. This will not cause damage to the product, wipe off the excessive oil or grease with a cloth.

👁 **Note!**

Before you install this product, check the kit contents. If anything is missing, please contact an Öhlins dealer.

⚠ **Warning!**

Before you install this product, read the Öhlins Owner's manual. This product is an important part of the vehicle and the vehicle stability.

Shock absorber kit for für Porsche 911 (type 964) POR GN01

POR G6N01

Mounting Instruction

Rear



MOUNTING INSTRUCTION

⚠ Warning!

We strongly recommend to let an Öhlins dealer install this product.

⚠ Warning!

If you work with a lifted vehicle, make sure that it is safely supported to prevent it from tipping over.

👁 Note!

When you work with this product, see the vehicle service manual for vehicle specific procedures and important data.

👁 Note!

Before you install this product clean the vehicle.

1

Raise the vehicle and put it on jack stands.

2

Remove the rear wheels

3

Remove the lower and the upper attachments and remove the original shock absorbers.

4

If strut is not premounted:

Counter the lower spring seat against the lock nut with 50-60Nm torque. Mount the dust boot, the spring, the rubber spacer, the upper spring seat, the top mount and the preload adjuster on the shock absorber according to fig. 1 and 2. Tighten the lock nut M12 with 30Nm torque.

5

Cut the dust boot from the lower end 82mm.

6

Mount the rubber sleeve between spring and upper original spring seat.

👁 Note!

If you tighten the end nut you must hold the shock absorber shaft in position with a screwdriver.

If the strut is premounted:

Install the Öhlins shock absorber on the vehicle. Regarding suspension: POR G6NR1: Simply insert the strut with top mount in the seat provided on the strut in the body.

Attention!

The rear top mount is provided with two different bolt circles, it applies to MKI and MKII models. Please make sure which bolt circle fits your car. Install the supplied screws properly and tighten them with the appropriate torque. Insert the lower screw into the wheel carrier and tight it with the specific torque.

Fig. 5 Top Mount RA



The MKI bolt circle is marked.

MOUNTING INSTRUCTION

Note!

Make sure that all bolts are tightened to the correct torque and that nothing fouls or restricts movement of the shock absorber when it is being fully compressed or extended.

Note!

Mount the dust boot between rubber sleeve and stop buffer.

Warning!

Before you ride/drive, always make sure that the setup is according to the recommended setup data. Read about adjustments and setting up in the Öhlins Owner's Manual before you make any adjustments. Contact an Öhlins dealer if you have any questions about setting up.

ADJUSTMENTS

SETUP DATE

Spring 47010-27/48010-27		
Rebound Comfort	12	Clicks
Rebound Sport	9-7	Clicks
Rebound Trackdays	6-1	Clicks
Spring preload	5	mm
Damper length	s. Abb.	
Spezifikation: H200, ID65, 90N/mm		

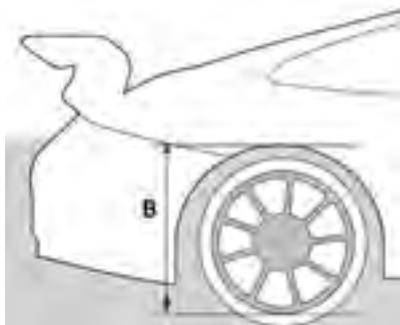
Vehicle height adjustment range

With the spring preload adjuster set to the recommended position, the vehicle is lowered approximately 20mm when compared to the original suspension. This depends on the model and suspension as adjustable original suspension also exist.

⚠ Warning!

Starting from standard position the adjustment area of height adjuster is +15/-8mm. These values must not be fallen below or exceeded.

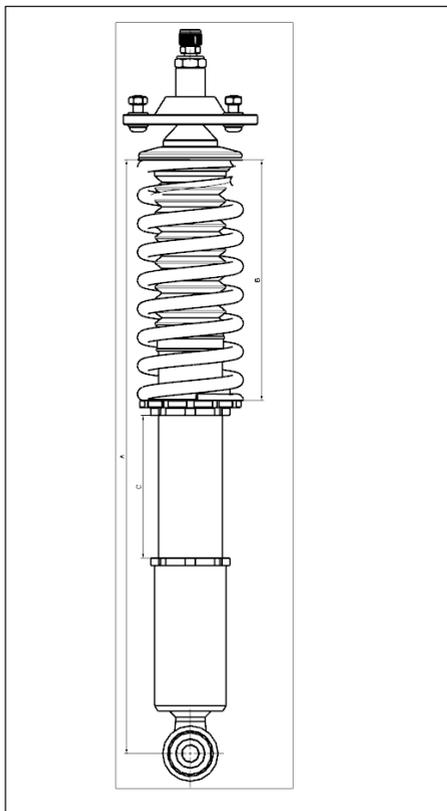
Vehicle height RA



Dimension B = 577 mm

With the spring preload adjuster set to the recommended position, the vehicle is lowered approximately 15mm when compared to the original suspension. As the height adjuster is turned one rotation, the position moves 1.5mm.

Please then check the ride height again according to the scheme.



Dimensions in basic setting

Dimension A	518mm
Dimension B	195mm spring l.
Dimension C	116mm

GENERAL NOTES

If not listed separately, the lowering specified in the catalog is reduced by the amount of the factory lowering for vehicles that are factory fitted with sports suspension.

The information in the parts certificate or the ABE are decisive for the assignment of the vehicle. For this purpose, the EC type approval number (point "k" can be found in the vehicle registration document or on the vehicle's nameplate!) Must be compared with information in the report. The last updated version applies.

Before installation, please use the parts certificate/ABE to check whether the items supplied (see parts identification) are approved for your vehicle (see area of application).

In the event of deviation the parts are not allowed to be installed without consulting an Öhlins dealer. Please contact your dealer directly. We recommend installing our products only in a qualified workshop that has qualified personnel and the necessary special tools.

After the spring/suspension components have been installed, it is essential to check the wheel setting values.

Depending on the engine, gearbox, equipment and tolerances of the vehicle, the lowering may vary by a few mm from the specified values.

The usability of our products, as well as their verification, relates to vehicles left in series. the dimensions given refer to new vehicles left in series production. In principle, the specific dimensions can vary depending in the vehicle.

If the series suspension has electronic damper control, its functionality does not apply when our suspension is used. We recommend using an Öhlins cancellation kit to switch off the error message. Vehicle-specific error messages can possibly be turned off by an authorized workshop.

If you need spare parts, please contact your sealer/source.

	Torque list					
	Galvanized screws			black untreated screws		
	Torque (N/m)			Torque (N/m)		
d	8.8	10.9	12.9	8.8	10.9	12.9
M 6	9.5	13	16	10	14	17
M 8	23	32	39	25	35	41
M 10	46	64	77	49	69	83
M 12	80	110	135	88	120	145
M 14	125	180	215	135	190	230

Öhlins products are subject to continuous improvement and development, therefore, although these instructions include the most up-to-date information available at the time of printing, minor updates may occur.

To find the latest information contact an Öhlins distributor. Please contact Öhlins if you have any questions regarding the contents in this document.

Part No.: MI_POR GN01
Issued: 18.02.2022

© Öhlins Racing AB. All rights reserved. Any reprinting or unauthorized use without the written permission of Öhlins Racing AB is prohibited.

Öhlins Racing AB
Box 722
S-194 27 Upplands Väsby, Sweden
Phone +46 8 590 025 00
fax +46 8 590 025 80

